

FIG.1

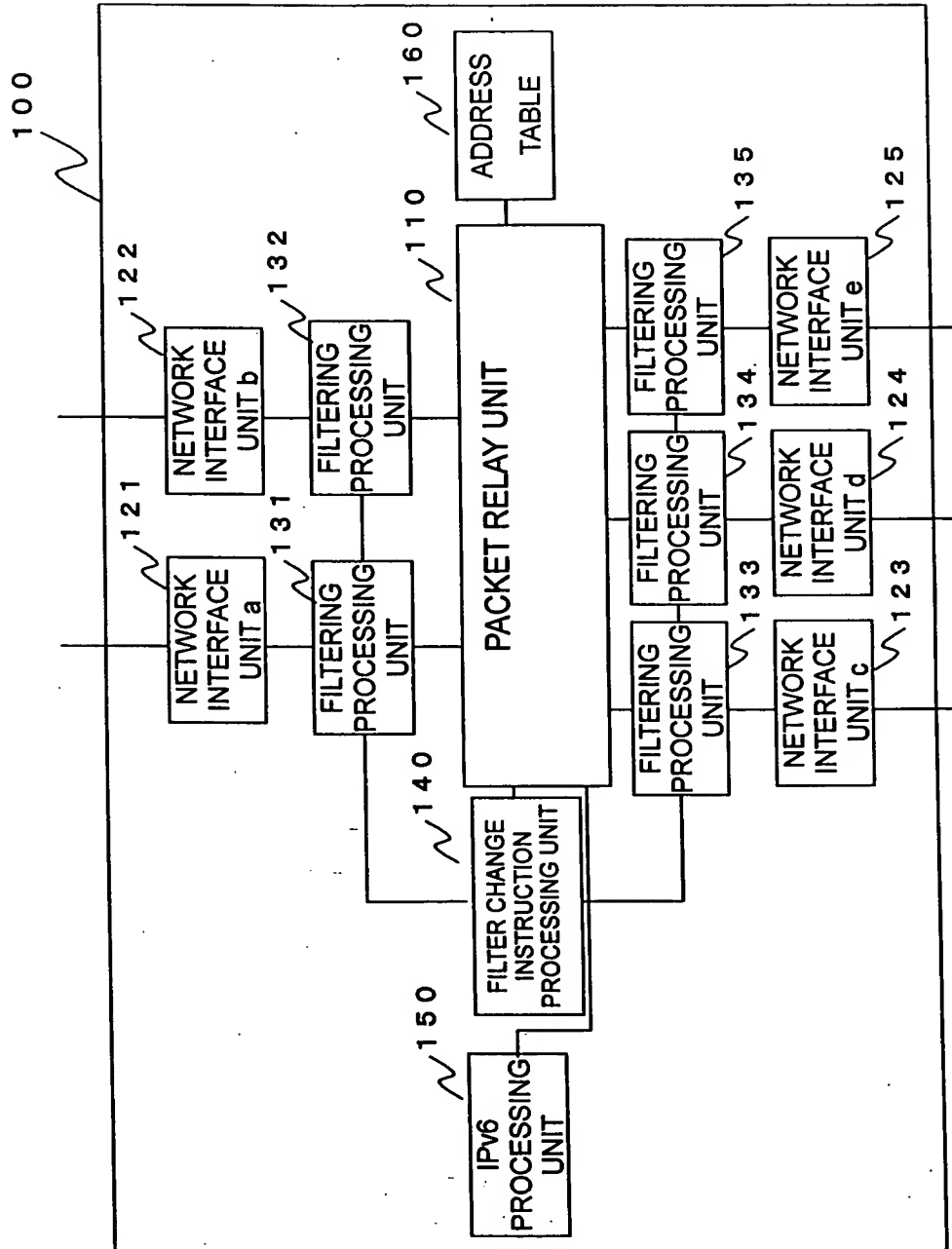


FIG.2

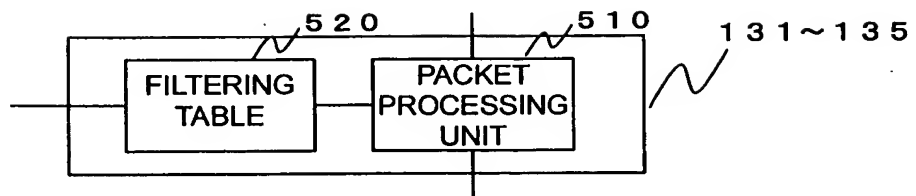


FIG.3

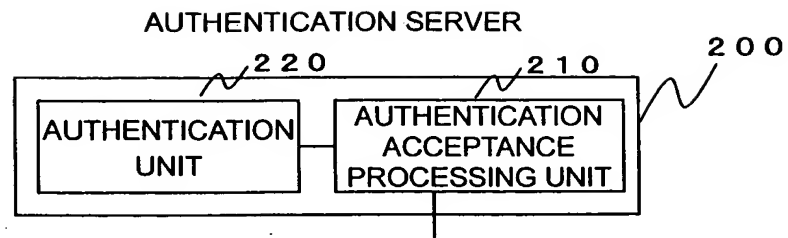


FIG.4

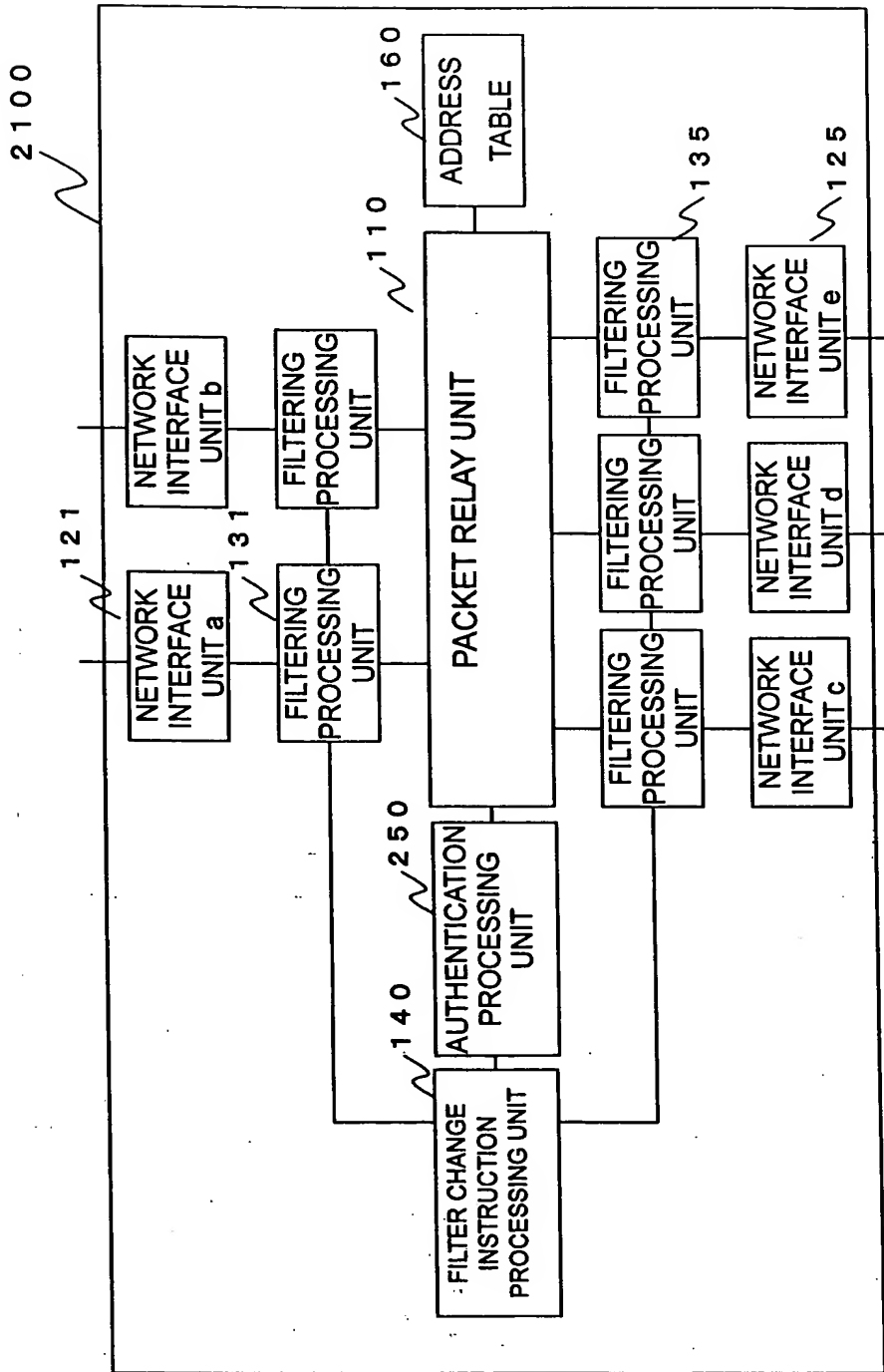


FIG.5

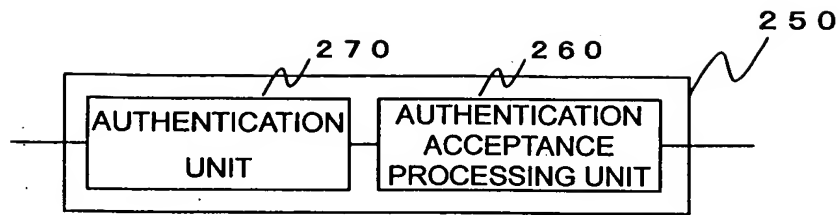


FIG.6

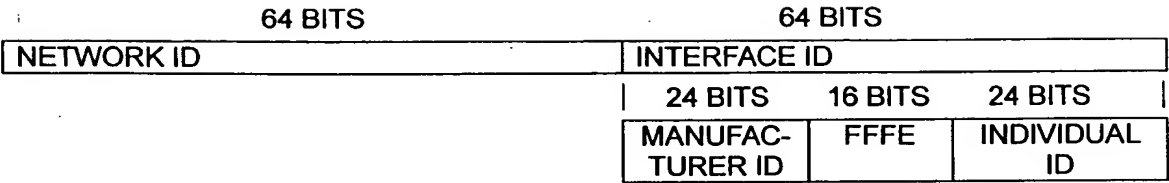


FIG.7

#	DESTINATION MAC ADDRESS	SOURCE ADDRESS		RELAY/DISCARD FLAG
		MAC ADDRESS	IPv6 ADDRESS	
1	22:22:00:11:11:11	ARBITRARY	ARBITRARY	RELAY
2	22:22:00:FF:FF:FF	ARBITRARY	ARBITRARY	RELAY
3	FF:FF:FF:FF:FF:FF	ARBITRARY	ARBITRARY	RELAY
4	ARBITRARY	ARBITRARY	ARBITRARY	DISCARD

FIG.8

#	DESTINATION MAC ADDRESS	SOURCE ADDRESS		RELAY/DISCARD FLAG
		MAC ADDRESS	IPv6 INTERFACE ID	
1	ARBITRARY	22:22:FF:00:00:01	2222:FFFF:FE00:1	RELAY
2	22:22:00:11:11:11	ARBITRARY	ARBITRARY	RELAY
3	22:22:00:FF:FF:FF	ARBITRARY	ARBITRARY	RELAY
4	FF:FF:FF:FF:FF:FF	ARBITRARY	ARBITRARY	RELAY
5	ARBITRARY	ARBITRARY	ARBITRARY	DISCARD

FIG.9

MAC ADDRESS	NETWORK INTERFACE UNIT
22:22:00:11:11:11	c
22:22:FF:22:22:22	d
22:22:00:FF:FF:FF	x
FF:FF:FF:FF:FF:FF	x

FIG.10

131~135

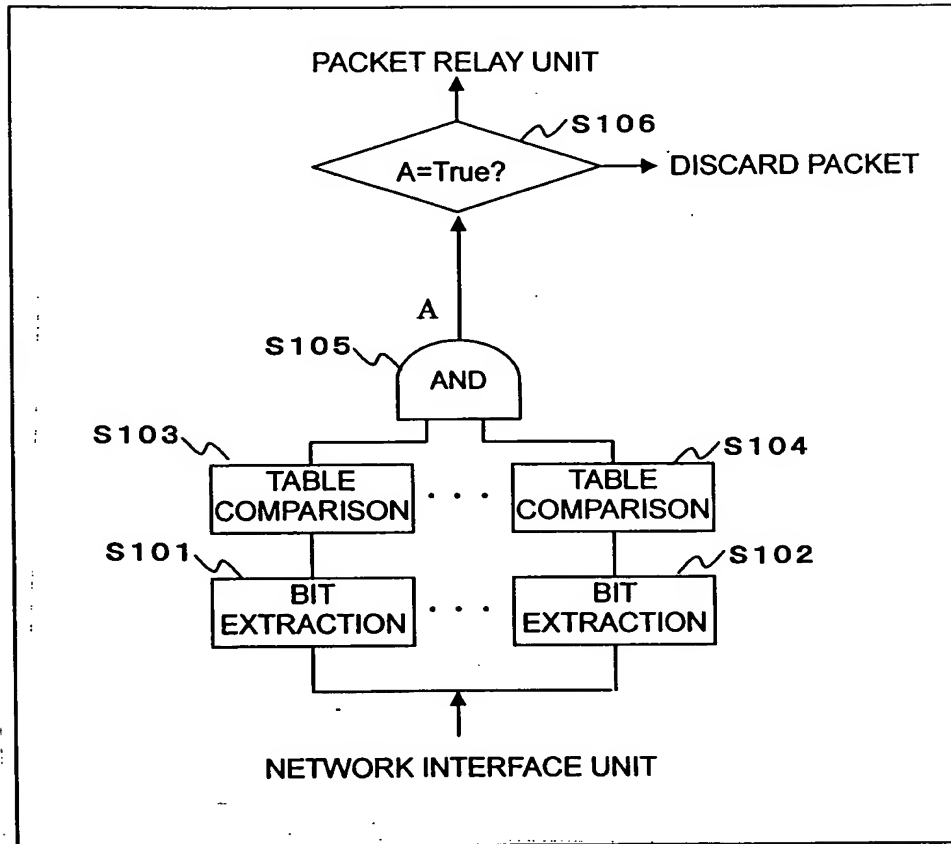


FIG.11

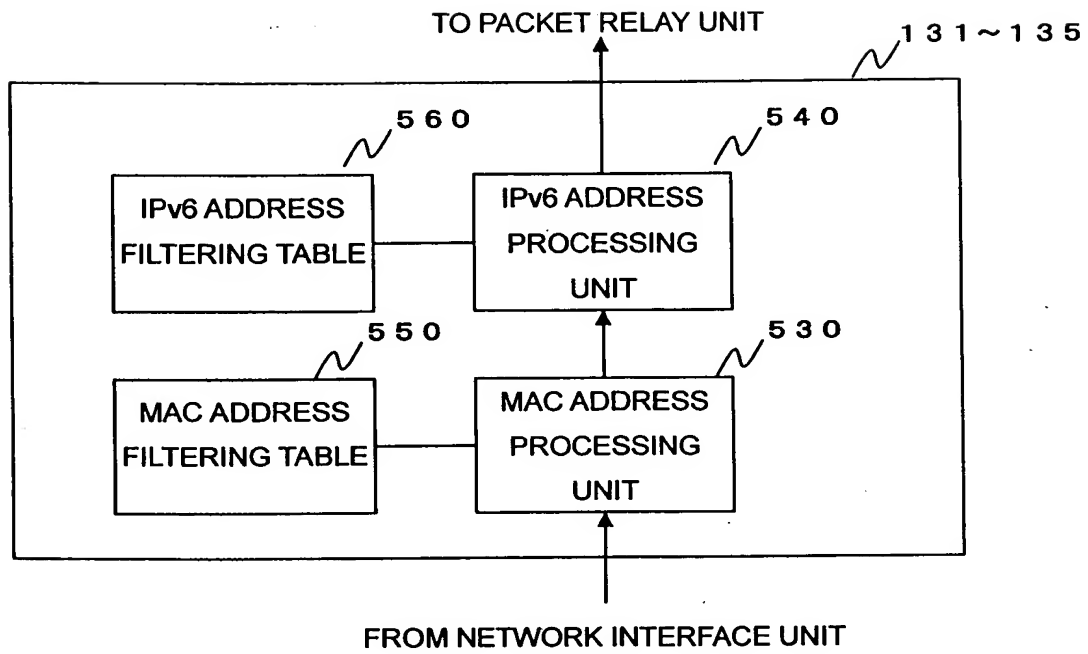


FIG.12

550 610 621 630

#	DESTINATION MAC ADDRESS	SOURCE MAC ADDRESS	RELAY/DISCARD FLAG
1	22:22:00:11:11:11	ARBITRARY	RELAY
2	22:22:00:FF:FF:FF	ARBITRARY	RELAY
3	FF:FF:FF:FF:FF:FF	ARBITRARY	RELAY
4	ARBITRARY	ARBITRARY	DISCARD

FIG.13A

560 610 622 630

#	DESTINATION MAC ADDRESS	SOURCE IPv6 ADDRESS	RELAY/DISCARD FLAG
1	22:22:00:11:11:11	ARBITRARY	RELAY
2	22:22:00:FF:FF:FF	ARBITRARY	RELAY
3	FF:FF:FF:FF:FF:FF	ARBITRARY	RELAY
4	ARBITRARY	ARBITRARY	DISCARD

FIG.13B

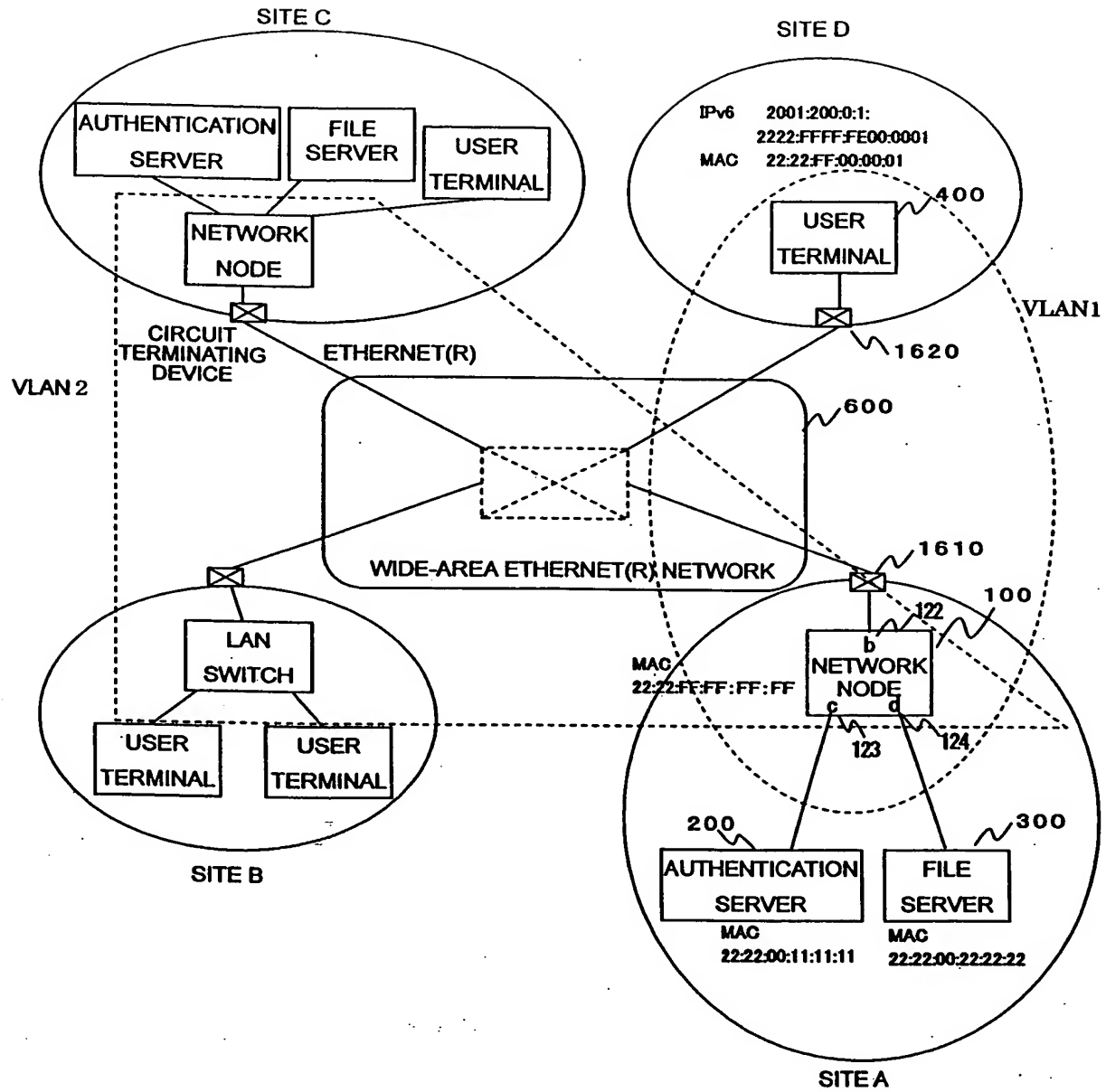


FIG.14

MAC ADDRESS	NETWORK INTERFACE UNIT
22:22:00:11:11:11	c
22:22:FF:22:22:22	d
22:22:00:FF:FF:FF	x
FF:FF:FF:FF:FF:FF	x
22:22:FF:00:00:01	b

FIG.15

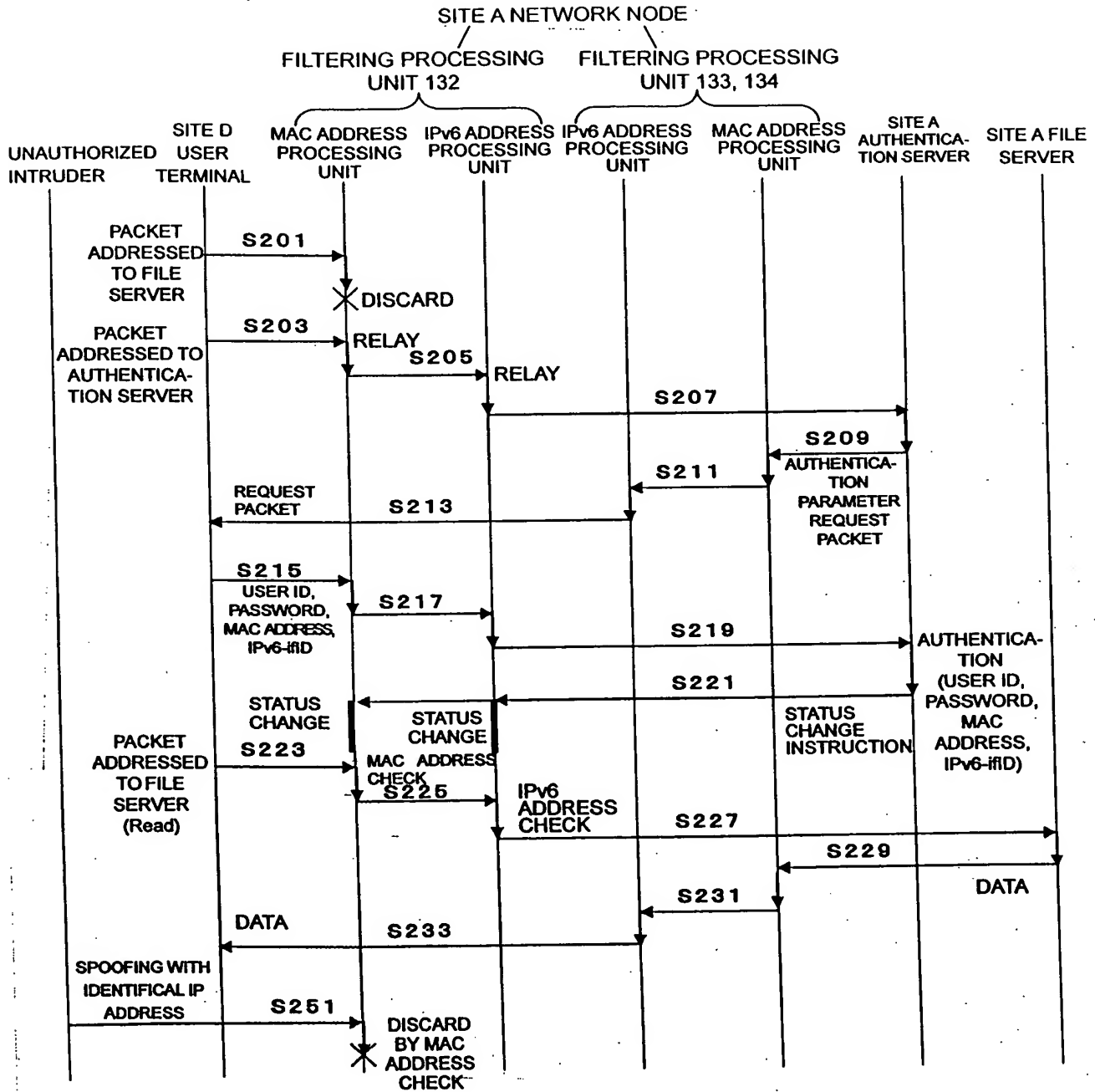


FIG.16

#	DESTINATION MAC ADDRESS	SOURCE ADDRESS		RELAY/DISCARD FLAG
		MAC ADDRESS	IPv6 ADDRESS	
1	ARBITRARY	22:22:FF:00:00:01	2001:200:0:1:2222:FFFF:FE00:1	RELAY
2	22:22:00:11:11:11	ARBITRARY	ARBITRARY	RELAY
3	22:22:00:FF:FF:FF	ARBITRARY	ARBITRARY	RELAY
4	FF:FF:FF:FF:FF:FF	ARBITRARY	ARBITRARY	RELAY
5	ARBITRARY	ARBITRARY	ARBITRARY	DISCARD

FIG.17

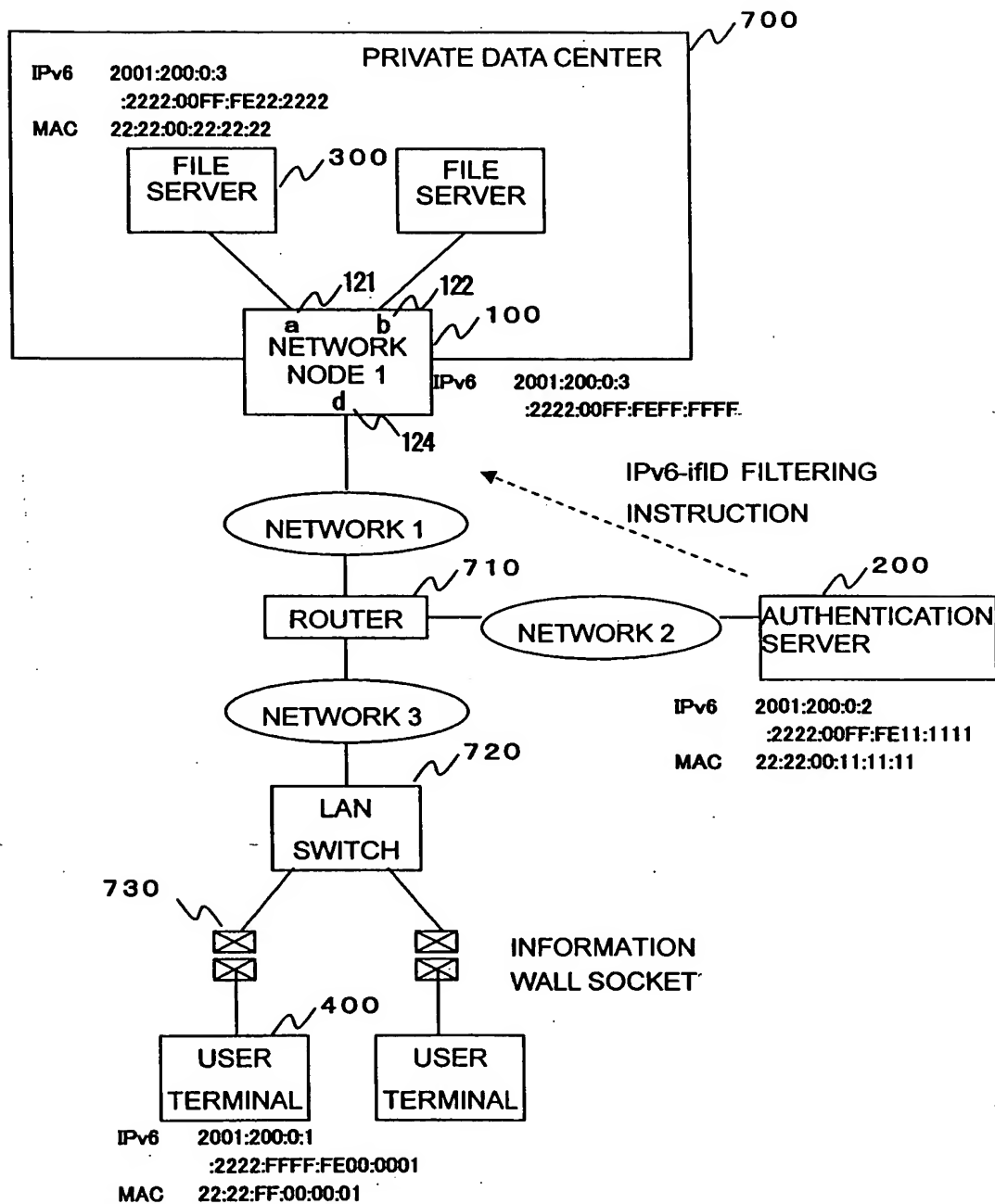


FIG.18

#	DESTINATION IPv6 ADDRESS	SOURCE IPv6 INTERFACE ID	RELAY/DISCARD FLAG
1	ARBITRARY	ARBITRARY	DISCARD

FIG.19 A

#	DESTINATION IPv6 ADDRESS	SOURCE IPv6 INTERFACE ID	RELAY/DISCARD FLAG
1	ARBITRARY	2222:FFFF:FE00:1	RELAY
2	ARBITRARY	ARBITRARY	DISCARD

FIG.19 B

IPv6 INTERFACE ID	NETWORK INTERFACE UNIT
2222:00FF:FE22:2222	a
2222:00FF:FEFF:FFFF	y

FIG.20A

IPv6 INTERFACE ID	NETWORK INTERFACE UNIT
2222:00FF:FE22:2222	a
2222:00FF:FEFF:FFFF	y
2222:FFFF:FE00:1	d

FIG.20B

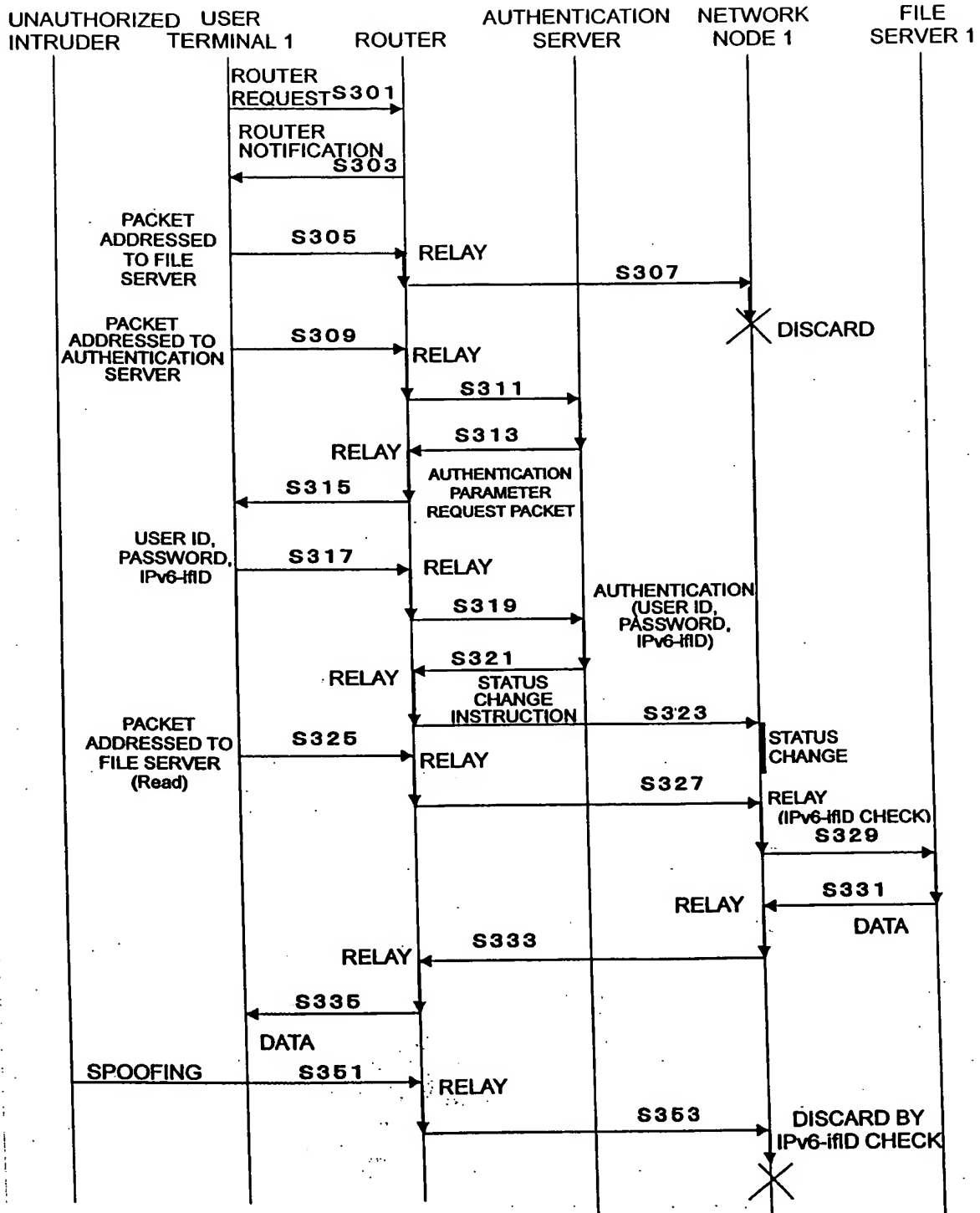


FIG.21

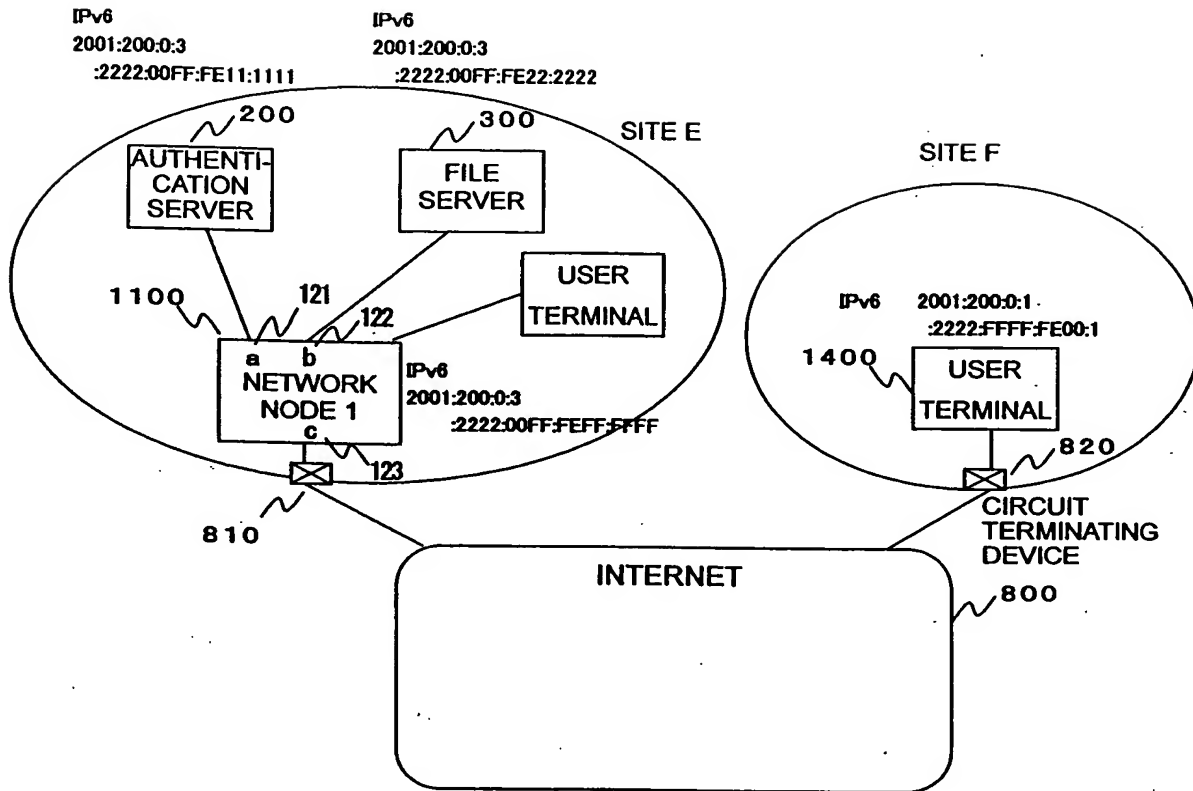


FIG.22

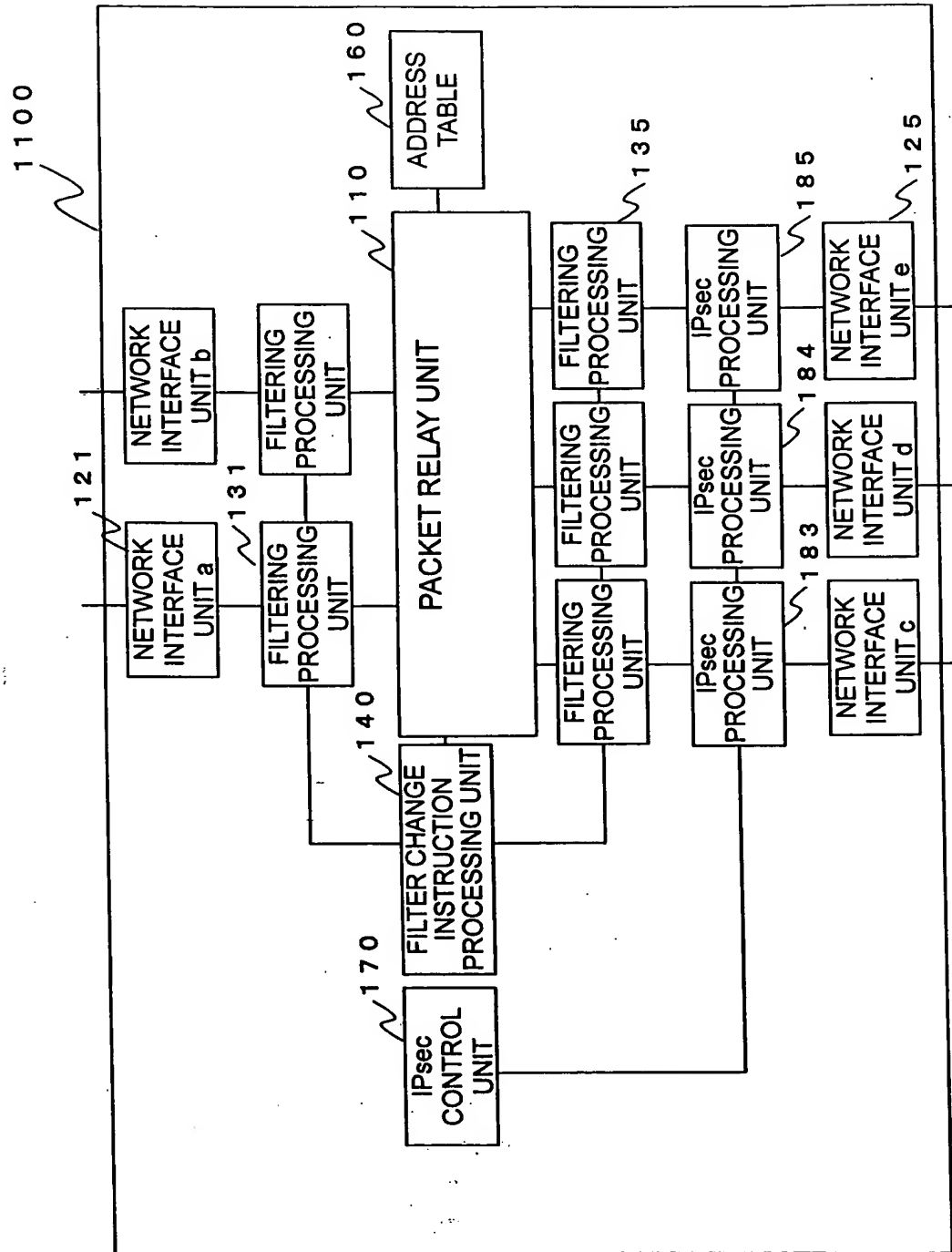


FIG.23

USER TERMINAL IPv6 ADDRESS	Pre-shared key	PRIVATE SYMMETRIC KEY
2001:200:0:1 2222:FFFF:FE00:1	Pre-key a	Secret α
.	Pre-key b	Secret β
.	.	.
.	.	.

FIG.24

#	DESTINATION IPv6 ADDRESS	SOURCE IPv6 INTERFACE ID	RELAY/DISCARD FLAG
1	2001:200:0:3 :2222:00FF:FE11:1111	ARBITRARY	RELAY
2	ARBITRARY	ARBITRARY	DISCARD

FIG.25A

#	DESTINATION IPv6 ADDRESS	SOURCE IPv6 INTERFACE ID	RELAY/DISCARD FLAG
1	ARBITRARY	2222:FFFF:FE00:1	RELAY
2	2001:200:0:3 :2222:00FF:FE11:1111	ARBITRARY	RELAY
3	ARBITRARY	ARBITRARY	DISCARD

FIG.25 B

IPv6 INTERFACE ID	NETWORK INTERFACE UNIT
2222:00FF:FE11:1111	a
2222:00FF:FE22:2222	b
2222:00FF:FEFF:FFFF	y

FIG.26A

IPv6 INTERFACE ID	NETWORK INTERFACE UNIT
2222:00FF:FE11:1111	a
2222:00FF:FE22:2222	b
2222:00FF:FEFF:FFFF	y
2222:FFFF:FE00:1	c

FIG.26B

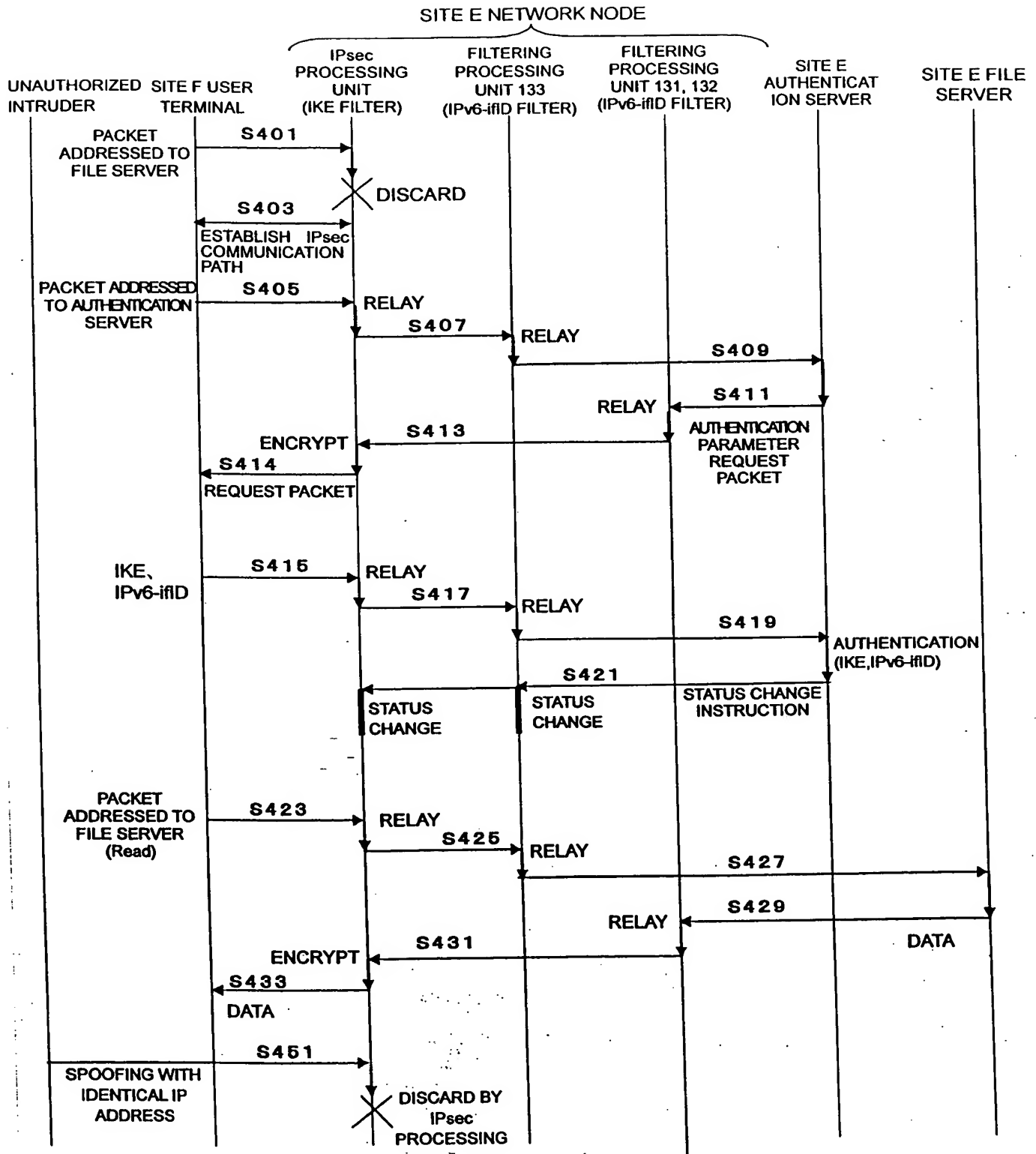


FIG.27

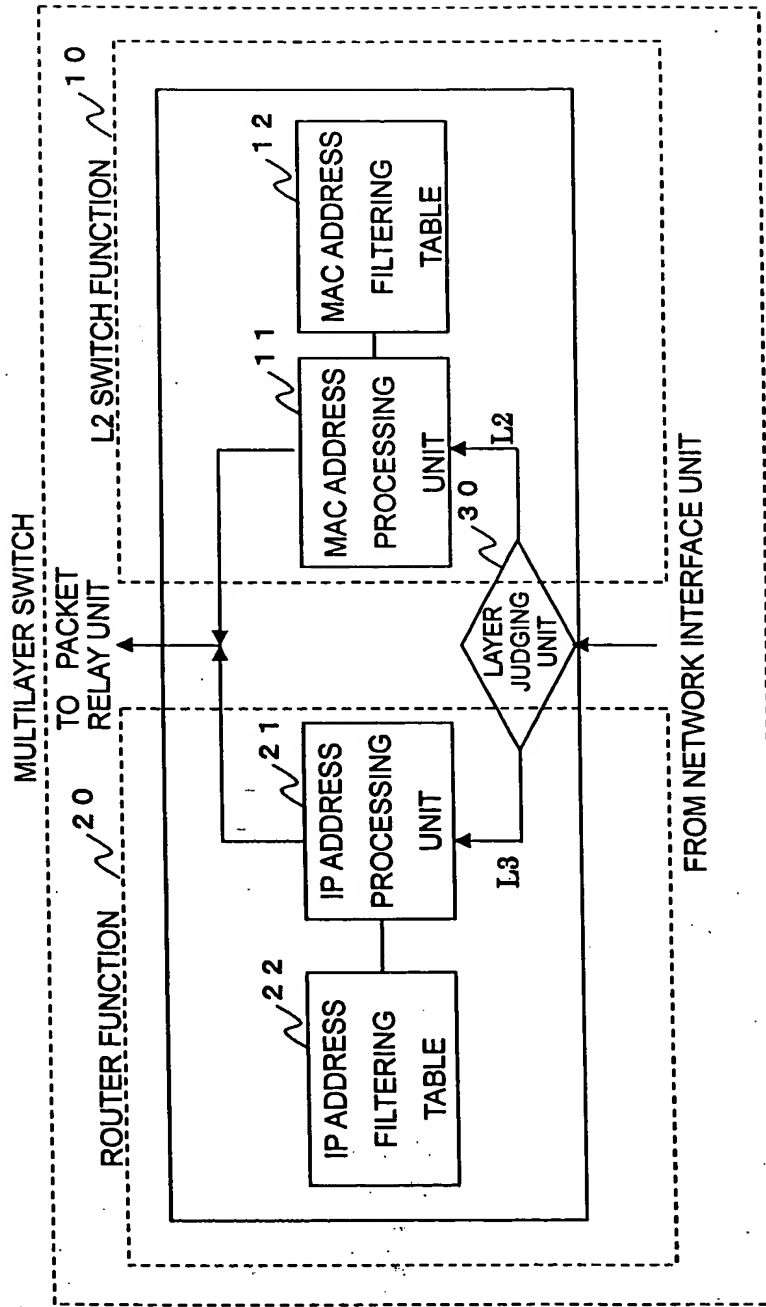


FIG.28